

## Product datasheet for **RG204682**

### **PGRMC2 (NM\_006320) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PGRMC2 (NM_006320) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PGRMC2
Synonyms:	DG6; PMBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204682 representing NM_006320 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCTGGTATGGGGACGTGAAGCTAGGCACCTGGGGAGTGGCAGCGAGAGCAGCAACGACGGCG  
GCAGCGAGAGTCCAGGCGACGCGGGAGCGGCAGCGGAAGGGGAGGCTGGGCGGCGGGCGCTTGGCGCT  
TCTGACGGGGGGCGGGAAATGCTGCTGAACGTGGCGCTGGTGGCTCTGGTGTCTGGGGGCTACCGG  
CTGTGGGTGCGCTGGGGCGCGGGGTCTGGGGCCGGGGCGGGCGAGGAGAGCCCGCCACCT  
CTCTGCCTCGCATGAAGAAGCGGACTTCAGCTTGGAGCAGCTGCGCCAGTACGACGGCTCCCGCAACCC  
GCGCATCCTGCTCGCGTCAATGGGAAAGTCTTCGACGTGACCAAGGCAGCAAGTTCTACGGCCCGGGCG  
GGTCCATATGGAATATTTGCTGGTAGGGATGCCTCCAGAGGACTGGCCACATTTTGCCTAGATAAAGATG  
CACTTAGAGATGAATATGATGATCTCTCAGATTTGAATGCAGTACAAATGGAGAGTGTTGAGAATGGGA  
AATGCAGTTTAAAGAAAAATATGATTATGTAGGCAGACTCCTAAAACCAGGAGAAGAACCATCAGAATAT  
ACAGATGAAGAAGATACCAAGGATCACAATAAACAGGAT

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204682 representing NM\_006320  
 Red=Cloning site Green=Tags(s)

MAAGDGDVKLGLTSGSSESSNDGGSESPGDAGAAAEGGGWAAAALALLTGGGEMLLNVALVALVLLGAYR  
 LWVRWRRRLGAGAGAGEESPATSLPRMKKRDFSLEQLRQYDGSRNPRILLAVNGKVFDVTKGSKFYGPA  
 GPYGFIFAGRDA SRLATFCLDKDALRDEYDDLSDLNAVQMESVREWEMQFKEKYDYGRLLPGESEY  
 TDEEDTKDHNKQD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_006320

**ORF Size:** 669 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_006320.6](#)

**RefSeq Size:** 1874 bp

**RefSeq ORF:** 672 bp

**Locus ID:** 10424

**UniProt ID:** [O15173](#)

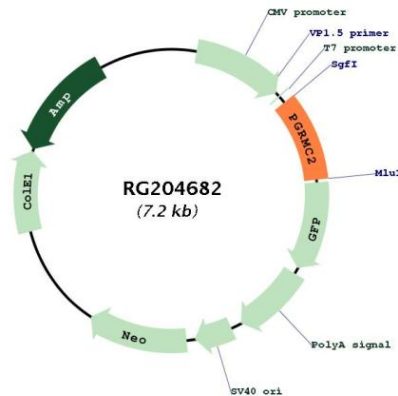
**Cytogenetics:** 4q28.2

**Domains:** heme\_1

**Protein Families:** Druggable Genome, Nuclear Hormone Receptor, Transmembrane

**Gene Summary:** Receptor for steroids.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG204682